



Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

July 1, 1988

Mr. Andrew King
Genwal Coal Company
P.O. Box 1201
Huntington, Utah 84528

Dear Mr. King:

Re: Subsidence Monitoring, Crandall Canyon Mine, Genwal Coal
Company, ACT/015/032, Folder #2, Emery County, Utah

The Division of Oil, Gas and Mining (DOGM) has recently evaluated Genwal Coal Company's subsidence monitoring program in lieu of a decision by the U. S. Forest Service to cancel their photogrammetric subsidence monitoring program.

Genwal's Mining and Reclamation Plan (MRP) expresses reliance on the Forest Service's photogrammetric subsidence monitoring program to supply subsidence data and information for areas above the mine site.

To maintain compliance with the regulations governing protection of renewable resources from subsidence, Genwal will be required to implement a subsidence monitoring program to detect vertical and horizontal ground movement which may result from coal extraction and dewatering.

The DOGM must require Genwal to implement a subsidence monitoring program on their mine permit area that will supply the information and data necessary to detect surface movement. Genwal should submit a commitment to initiate a subsidence monitoring program within 15 days of receipt of this letter. DOGM will require that subsidence control stations be placed over fee and federal properties where mining has taken place during the past two years to detect the effects of mining in those areas. Genwal will also be required to implement subsidence surveys over and adjacent to those areas that will be mined in the future. DOGM must require that baseline information be obtained for these areas by September 30, 1988.


Page 2
Andrew King
ACT/015/032
July 1, 1988

Genwal should submit maps that show areas and sequence mined during the past two years, areas and sequence to be mined during the rest of the 5-year permit term for each coal seam and the location of all subsidence control stations. Subsidence monitoring plans should be submitted for DOGM review prior to conducting surveys so that we may review the plans and respond if necessary. This means Genwal will have to begin working on the subsidence monitoring program very soon to meet the September 30, 1988 schedule.

We regret that the photogrametric subsidence monitoring program conducted by the U. S. Forest Service did not establish the planimetric information needed to asses surface configurations at your minesite, although we feel that the concept was good. If you have any questions regarding the U. S. Forest Service's photogrametric subsidence monitoring program we suggest you contact Carter Reed at the Manti-LaSal National Forest, Price, Utah.

If you have any other questions pertaining to this matter please feel free to contact David Darby.

Sincerely,



Susan C. Linner
Reclamation Biologist/
Permit Supervisor

DD/as
cc: J. Leatherwood
R. Hagen
G. Morris
1299R/94-95